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FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
07/21/2005	Emmanuel Legrand	047578/294904	9148	
90 12/14/2006		EXAM	EXAMINER	
SIRD LLP		GRANT,	ALVIN J	
ERICA PLAZA				
RYON STREET, SUIT	E 4000	ART UNIT	PAPER NUMBER	
CHARLOTTE, NC 28280-4000		3723		
	07/21/2005 90 12/14/2006 SIRD LLP ERICA PLAZA RYON STREET, SUIT	07/21/2005 Emmanuel Legrand 90 12/14/2006 SIRD LLP ERICA PLAZA RYON STREET, SUITE 4000	07/21/2005 Emmanuel Legrand 047578/294904 90 12/14/2006 EXAM SIRD LLP GRANT, ERICA PLAZA RYON STREET, SUITE 4000 ART UNIT	

DATE MAILED: 12/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	-	NT		
	Application No.	Applicant(s)		
Office Action Commons	10/542,948	LEGRAND, EMMANUEL		
Office Action Summary	Examiner	Art Unit		
	Alvin J. Grant	3723		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from 1. cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status	•			
1) Responsive to communication(s) filed on 21 Ju	ıly 2005.	•		
2a) ☐ This action is FINAL . 2b) ☑ This action is non-final.				
3) Since this application is in condition for allowar closed in accordance with the practice under E	•			
Disposition of Claims				
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application.				
4a) Of the above claim(s) is/are withdrawn from consideration.				
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-6 and 9-16</u> is/are rejected.				
7)⊠ Claim(s) <u>7 and 8</u> is/are objected to.		•		
8) Claim(s) are subject to restriction and/or	election requirement.	•		
Application Papers				
9) The specification is objected to by the Examiner.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119		•		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).		
1. Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No				
Copies of the certified copies of the prior		d in this National Stage		
application from the International Bureau				
* See the attached detailed Office action for a list of	of the certified copies not receive	d.		
Attachment(s)				
Notice of References Cited (PTO-892)	4) Interview Summary			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/21/05.	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:			

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DETAILED ACTION

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Claim Objections

1. Claim 10 is objected to because of the following informality:

In lines 2 and 3, it seems that "the locking element comprises on a working face arrangements (404) of gripping with the string" should read, "the locking element comprises on a working face, arrangements (404) for gripping the string".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6, 9, 10 and 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Jones et al. 5,048,278.

Jones et al. discloses a cutting head comprising a passageway, a mobile string locking element, wherein the passageway is generally offset from a central axis of the head and opens at both ends at the periphery of the head, and in that the locking mobile element is a one-way locking element (Figs. 5 and 6); the mobile locking element (at 66) is located between the passageway and the periphery of the head; the locking element comprises a shoe force (col. 4, lines 27-34); it comprises a cavity sheltering the locking element and delimited on one side by the string passageway and on an opposite side

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by a surface oriented at an oblique angle relative to the direction of the string passageway, and in that the locking element comprises both a working face and a bearing face oriented at an oblique angle relative to the working face (Figs. 5 and 6); the working face of the locking element is oriented substantially in one plane; the locking element is acted upon by a pushing member (66); the locking element comprises on a working face arrangements for gripping with the string; the locking element comprises in a working face a longitudinal slot suitable for at least partially receiving the cutting string (Fig. 6); the cutting string presents a rugged section, and in that the locking element is suitable for acting on a ridge of the string; the locking element is suitable for moving in translation in a direction generally transverse to a radial direction of the head; and it inherently comprises a motor suitable for driving the head in rotation.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. in view of Collins et al. 4,853,867.

Jones et al. is described above. Jones et al. does not specifically disclose that the gripping element comprises teeth. Collins et al. discloses an apparatus for cutting

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vegetation in which the gripping element comprises teeth so as to minimize the occurrence of the string slipping. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have made the cutting head of Jones et al. have teeth on the gripping element as taught by Collins et al. so as to minimize the occurrence of the string slipping.

Allowable Subject Matter

6. Claims 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin J. Grant whose telephone number is (571) 272-4484. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph J. Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alvin J Grant Patent Examiner Art Unit 3723

ajg